

Title (en)

A method for producing a hyaluronic acid and/or its salt and a method for reducing a molecular weight of a hyaluronic acid and/or its salt

Title (de)

Verfahren zur Herstellung von Hyaluronsäure und/oder deren Salz und Verfahren zur Reduzierung des Molekulargewichts einer Hyaluronsäure und/oder von deren Salz

Title (fr)

Procédé de production d'acide hyaluronique et/ou son sel et procédé permettant de réduire un poids moléculaire d'acide hyaluronique et/ou son sel

Publication

EP 2463309 A1 20120613 (EN)

Application

EP 12001414 A 20060317

Priority

- EP 06729346 A 20060317
- JP 2005081571 A 20050322

Abstract (en)

A method for producing a hyaluronic acid and/or its salt having a molecular weight of 100,000 or less comprises dispersing a hyaluronic acid and/or its salt in an acidic water-containing medium containing at least one medium selected from ethanol, methanol, and acetone to obtain a dispersion (step 1), and removing the acidic water-containing medium from the dispersion to obtain a residue (step 2).

IPC 8 full level

C08B 37/08 (2006.01); **A23L 29/275** (2016.01); **A23L 33/00** (2016.01)

CPC (source: EP KR US)

A23L 2/52 (2013.01 - EP US); **A23L 29/275** (2016.07 - EP US); **A23L 33/10** (2016.07 - EP US); **A61K 8/73** (2013.01 - KR); **A61K 8/735** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **C08B 37/003** (2013.01 - KR); **C08B 37/0072** (2013.01 - EP US); **A23V 2002/00** (2013.01 - US); **A61Q 19/02** (2013.01 - EP US)

Citation (applicant)

JP S6357602 A 19880312 - Q P CORP

Citation (search report)

- [E] EP 1865002 A1 20071212 - Q P CORP [JP]
- [XP] MELANDER C ET AL: "Heterogeneous hydrolysis of hyaluronic acid in ethanolic HCl slurry", CARBOHYDRATE POLYMERS, APPLIED SCIENCE PUBLISHERS, LTD. BARKING, GB, vol. 82, no. 3, 15 October 2010 (2010-10-15), pages 874 - 879, XP027206362, ISSN: 0144-8617, [retrieved on 20100616]

Cited by

EP2910255A1; US11091566B2

Designated contracting state (EPC)

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